Installing Novell NetWare 6.0 and Novell Small Business Suite 6.0

Prepare the Installation

Please refer to Chapter 1 "Preparing your HP Server tc2100 for your NOS installation" for recommendations on the server preparation.

Then gather the following materials:

- HP Server tc2100 Startup CD
- Novell NetWare 6.0 SP1 Overlay CD or Novell Small Business Suite 6.0 CD
- Novell NetWare 6.0 or Small Business Suite 6.0 licensing/cryptographic diskette
- Novell Support Pack 1 CD for NetWare 6.0
- Novell Small Business Suite 6.0 Partner CD (only for SBS 6.0)
- Two or more clients for testing purpose (Optional)
- One diskette for driver installation

High Level Process Flow

1. Run HP DiagTools (optional - diagnostics).
2. Create the NetWare 6.0 SP1 Overlay CD and Support Pack 1 CD.
3. Create the drivers diskette using the HP Startup CD.
4. Perform NetWare or SBS installation.

Section 1. Run HP Diagtools (optional)

To perform HP Diagtools hardware diagnostic on your HP Server tc2110, switch off your server then reboot it using the Startup CD. Follow the on-screen instructions. View and save the hardware inventory after the test.

Section 2. Create the NetWare 6.0 SP1 Overlay CD or Support Pack 1 CD

To successfully install Novell NetWare 6.0 in your tc2100 system, you must download the latest NetWare 6.0 Support Pack 1 Overlay CD or NetWare 6.0 Support Pack 1 CD from the Novell website. http://support.novell.com/cgi-bin/search/searchtid.cgi?/10069345.htm

To successfully install Novell NetWare Small Business Suite 6.0 in your tc2100 system, you must download the latest NetWare 6.0 Support Pack 1 CD from the Novell website.

http://support.novell.com/cgi-bin/search/searchtid.cgi?/10069345.htm

After downloading the CD image file from Novell website, you can follow the instructions included with the download to create the CD.

Section 3. Create the Drivers Diskettes

1. Locate one blank, formatted 3.5" diskette.

2. Insert your HP Startup CD in a Windows PC and follow the on-screen instructions to create the "HP Server tc2100 NetWare IDE drivers (HP disk NW IDE)" diskette.

NOTE	If the Windows PC does not auto-start the Startup menu, start it by browsing the `Startup.htm` found at the root level of the Startup CD.

Section 4. Perform NetWare 6.0 or SBS 6.0 Installation

The installation of NetWare 6.0 or SBS 6.0 contains several phases:

- Phase 1 – Start the Installation
- Phase 2 – Install HP Drivers
- Phase 3 – Configure the Network

PHASE 1 – Start the Installation

NOTE	If your hard drive contains data or is not new, HP recommends the use of a utility such as `fdisk` to erase all data and partitions from your hard drive.

For NetWare 6.0 by using NetWare 6.0 SP1 Overlay CD

NOTE	For NetWare 6.0 installation, you can either use NetWare 6.0 SP1 Overlay CD or use NetWare 6.0 CD plus Support Pack 1 CD to start your installation.

1. Insert the NetWare 6.0 SP1 Overlay CD and boot the system.

2. Press **Enter** to read the license agreement then press **Esc**, and select "`Accept License Agreement`".

3. Press **Enter** to "`Create a New Boot Partition`".

4. HP recommends that you modify `Size of boot partition` to create a 1000 MB boot partition.

5. If you accept erasing all data on your disk, select **Continue**. Then press any key for your system to create the partition, reboot, and format that partition.

6. Press **F10** to "`Accept License Agreement`".

For NetWare 6.0 by using NetWare 6.0 CD plus Support Pack 1 CD

1. Boot your HP server on a DOS bootable utility diskette.

NOTE	You can boot from the NetWare bootable License diskette. Novell DOS 7 and all required DOS utilities (*FDISK, FORMAT, EDIT*) are included on the diskette.

2. Enter the **FDISK** command to create a 1000 MB primary DOS partition on the primary drive (C:). Remember to make it the active (bootable) partition. The computer will restart and boot the DOS bootable utility diskette.

3. Format and transfer DOS system files to the partition by entering one of the following commands:

    A:\>FORMAT C: /X /S   when using NetWare DOS utility

    OR

    A:\>FORMAT C: /S   when using MSDOS utility

4. Create a new directory named **NWUPDATE** on the C: drive.

5. Insert the NetWare 6.0 Support Pack 1 CD (created from Novell website) and copy the **server.exe** file from the CD (i.e., from **D:\STARTUP** to **C:\NWUPDATE**).

6. Remove the diskette and Support Pack 1 CD, insert NetWare 6.0 CD, and reboot the server.

7. Press **Enter** to read the license agreement then press **Esc**, and select "Accept License Agreement".

8. Select "Continue with Existing Partition", and reboot the server.

9. Press **F10** to "Accept License Agreement".

For Small Business Suite 6.0

1. Boot your HP server on a DOS bootable utility diskette.

NOTE	You can boot from the NetWare SBS 6 License diskette. Novell DOS 7 and all required DOS utilities (*FDISK, FORMAT, EDIT*) are included on the diskette.

2. Enter the **FDISK** command to create a 1000 MB primary DOS partition on the primary drive (C:). Remember to make it the active (bootable) partition. The computer will restart and boot the DOS bootable utility diskette.

3. Format and transfer DOS system files to the partition by entering one of the following commands:

    A:\>FORMAT C: /X /S   when using NetWare DOS utility

    OR

    A:\>FORMAT C: /S   when using MSDOS utility

4. Create a new directory named **NWUPDATE** on the `C:` drive.

5. Insert the NetWare 6.0 Support Pack 1 CD (created from Novell website) and copy the **server.exe** file from the CD (i.e., from `D:\STARTUP` to `C:\NWUPDATE`).

6. Remove the diskette and Support Pack 1 CD, insert NetWare SBS 6.0 CD, and reboot the server.

7. Click **Agree** to accept the License Agreement.

8. Select "`Keep the existing DOS partition`".

9. Select "`Advanced Installation`" and then select "`Change IP Address from default`".

10. Insert the license diskette if prompted.

11. Reboot the system.

For Both NetWare 6.0 and Small Business Suite 6.0

1. Change the prompt from **Express** to **Custom**, and keep the default "`New server`" option; scroll down and choose **Continue**.

2. Review the **Server Settings**. If you do not want the "SERVER" to automatically load after reboot, modify the "`Load Server at reboot`" parameter to **NO**.

3. Go to "`Server SET Parameters`" and choose **Edit**. A window will pop-up and the following should be added:

   SET MINIMUM PACKET RECEIVE BUFFERS=2500
   SET MAXIMUM PACKET RECEIVE BUFFERS=12500

4. Press **Esc**, save the changes.

5. Scroll down to select **Continue**.

6. Review the regional settings and modify if necessary.

7. Review the mouse and video settings and modify if necessary.

8. Wait a few minutes while system files are copied from the CD.

PHASE 2 – Install HP Drivers

1. The installation program then detects your hardware and attempts to match the drivers to the hardware.

2. If you have an SCSI system, press **Enter** to continue. If you have a IDE model, you need to install the HP IDE driver:

   a. Scroll down to chose **Modify** and press **Enter**.

   b. Scroll down to highlight the "`Storage Adapters`" item and press **Enter**.

   c. Press **Delete** to remove the default IDE driver "`IDEATA.HAM`".

   d. Insert HP disk NW IDE (created with the Startup CD) in the floppy drive.

   e. Press **Insert** to add a driver, then **Insert** again to add an unlisted driver.

   f. Press **F3** and specify the path: **A:** then press **Enter**.

g. The installation program takes a few seconds then automatically adds the HP driver to the driver list.

NOTE	The new HP driver may show the same device name description but is a correct version for tc2100 platform.

h. Scroll down and select "`Return to driver summary`".

i. Scroll down and select **`Continue`**.

3. The next driver summary screen displays storage and network devices. You can keep the default Network board (LAN) driver and scroll down to select **`Continue`**.

4. Wait while system loads the new drivers.

5. Review the Volume SYS and Partition Properties Screen. Select **`Modify`** if any changes are necessary, and press the **F10** key to save any changes.

6. Select **`Continue`** after all changes have been applied.

7. Wait a few minutes while system files are copied and Netware GUI is started.

PHASE 3 – Configure the Network

The installation proceeds under a graphical interface.

NOTE	The network settings need to be customized to your environment. Please refer to Novell NetWare manuals should you need further details on the networking setup fields.

1. Enter the server name.

2. Insert the NetWare licensing/cryptographic diskette when prompted, then click **`Next`**.

3. If you wish to create additional volumes, select "`Free Space`" and click **`create`**. Type in a Volume name and select a Volume Type for the first volume. Choose the volume size, click "`apply to volume`". Then Click **OK**. Click **`Next`** to proceed.

4. Choose **`Yes`**, if necessary, to mount all volumes when server reboots. Click **`Next`** to proceed.

5. Setup your IP or IPX protocols and additional information to match your network environment.

NOTE	If choosing TCP/IP, NetWare 6. 0 will not proceed if you don't setup an IP address for at least one of your system network devices (embedded LAN or added PCI card). Also, you will not be able to install products that require TCP/IP if you have not properly configured TCP/IP.

6. You may then configure the `Domain Name Service`. Click **`Next`** to proceed after entering DNS information.

7. Select your time zone then click **`Next`**.

8. Select whether to create a "New NDS Tree" or use an "Existing NDS Tree", and click **Next**.

9. To create a New NDS Tree, enter the Tree Name, the Context for Server Object, and the administrator password and click **Next**.

10. Click **Next** to validate the NDS summary.

11. Click **Next** at the "Licenses" window to install the license previously detected.

12. If you wish to install other items or products, do so here then click **Next**.

13. Click **Next** at the "Novell Certificate Server 2.23 Objects" window.

NOTE	Depending on the options you have chosen, you may receive additional prompts. Enter the required information and click **Next**.

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14. Review "Summary" and click **Finish**.

15. For Small Business Suite 6.0, after prompted, insert Novell Partner CD, and click **OK** to continue.

16. When prompted, remember to remove all diskettes and CD-ROM from their respective drives, click **Yes** to reboot your system.

NOTE	If you chose not to load the server on reboot, you can load it manually. When the computer reboots, change to the startup directory containing the NetWare server files (C:\NWSERVER), type in **server** and press **Enter**.

Troubleshooting

Tip #1. Restarting NetWare Installation

If you want to restart NetWare installation from the very beginning, use a utility such as fdisk to erase all data and partitions from your hard drive, then start the installation process.

On-Line Information and Software Sources

- HP World Wide Web access: http://www.hp.com
- Novell World Wide Web access: http://www.novell.com
- Novell Networking BBS: 801-429-3308 (9,600 baud)